0570
1106
8

RAW SEQUENCE LISTING   DATE: 11/13/2001
PATENT APPLICATION: US/09/844,501   TIME: 15:11:44

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\11132001\I844501.raw**

```
 3 <110> APPLICANT: WOLFFE, Alan
 4        URNOV, Fyodor
 5        GUSCHIN, Dmitry                    ENTERED
 6        COLLINGWOOD, Trevor
 7        LI, Xiao-Yong
 8        JOHNSTONE, Brian
10 <120> TITLE OF INVENTION: DATABASES OF REGULATORY SEQUENCES; METHODS OF MAKING AND
USING SAME
12 <130> FILE REFERENCE: 8325-0015
14 <140> CURRENT APPLICATION NUMBER: 09/844,501
15 <141> CURRENT FILING DATE: 2001-04-27
17 <150> PRIOR APPLICATION NUMBER: 60/200,590
18 <151> PRIOR FILING DATE: 2000-04-28
20 <150> PRIOR APPLICATION NUMBER: 60/214,674
21 <151> PRIOR FILING DATE: 2000-06-27
23 <150> PRIOR APPLICATION NUMBER: 60/228,556
24 <151> PRIOR FILING DATE: 2000-08-28
26 <160> NUMBER OF SEQ ID NOS: 24
28 <170> SOFTWARE: PatentIn Ver. 2.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 6
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Description of Artificial Sequence: Kpn 1 target
37        site
39 <400> SEQUENCE: 1
40 ggtacc                                             6
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 25
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
49        oligonucleotide
51 <400> SEQUENCE: 2
52 gcggtgaccc gggagatctg aattc                        25
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 11
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
61        oligonucleotide
63 <400> SEQUENCE: 3
64 ctagacttaa g                                       11
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 24
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Input Set : A:\seqlist.txt
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108 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Description of Artificial Sequence: Bax
 73        gene-specific primer
 75 <400> SEQUENCE: 4
 76 gcccatcact gagaaatccc ttcc                                      24
 78 <210> SEQ ID NO: 5
 79 <211> LENGTH: 27
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
 85        oligonucleotide
 87 <400> SEQUENCE: 5
 88 gcggtgaccc gggagatctg aattctt                                   27
 90 <210> SEQ ID NO: 6
 91 <211> LENGTH: 25
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
 97        oligonucleotide
 99 <400> SEQUENCE: 6
100 cgccactggg ccctctagac ttaag                                     25
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 60
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
109        oligonucleotide
111 <400> SEQUENCE: 7
112 tagaaggcac agtcgaggac ttatcctagc ctctgaatac tttcaacaag ttacaccctt 60
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 66
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
121        oligonucleotide
123 <400> SEQUENCE: 8
124 aaaaaaaatc ttccgtgtca gctcctgaat aggatcggag acttatgaaa gttgttcaat 60
125 gtggga                                                          66
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 24
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 11/13/2001
PATENT APPLICATION: US/09/844,501   TIME: 15:11:44

Input Set : A:\seqlist.txt
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133 <223> OTHER INFORMATION: Description of Artificial Sequence:
134       adapter-specific primer
136 <400> SEQUENCE: 9
137 aggcacagtc gaggacttat ccta                                    24
139 <210> SEQ ID NO: 10
140 <211> LENGTH: 122
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: insert
146       sequence
148 <400> SEQUENCE: 10
149 ccggcctcgg tgttttcggc tttttcctgg cccccggccc gccaggccgg gccctctgct 60
150 gcccgctgaa tgggaggggg ggcggggtca cgtggcgggg ggaggggagg gccgtcgcga 120
151 tc                                                            122
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 249
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: insert
160       sequence
162 <400> SEQUENCE: 11
163 ccgggcgcca agggaagccg ggcgctgccc cctgctggcc aggttcgggc gcggcgccgc 60
164 ggaggggcct cccctctctg gagagaattg aaggggggtcc ggtgtggagc cccggctggc 120
165 tccgggctgg ggctgaccgg ctctgtgacc ttgggcaggt cactgcatct ctccaagcct 180
166 cagtttgcac gtctgtcaaa tagaggggca ttctctcact ttgcagggtc cctggaaata 240
167 agtgagatc                                                     249
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 1042
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: accessible
176       region sequence
178 <400> SEQUENCE: 12
179 gatcggagtt cgagaccagc ccggccaact ggtgaaaccc tgtctctact aaaaaaatac 60
180 aaaaggagtt cgagaccagc ccggccaact ggtgaaaccc tgtctctact aaaaaaatac 120
181 aaaaattagc tgggtgtggt ggtgcacgcc tgtcatccca gctacttggg aggctgagat 180
182 aggaattagc tgggtgtggt ggtgcacgcc tgtcatccca gctacttggg aggctgagat 240
183 aggagaatcg cttgaaccca ggaggggagg cagaggttgc agtgagccga gatggcgcca 300
184 ctgtgaatcg cttgaaccca ggaggggagg cagaggttgc agtgagccga gatggcgcca 360
185 ctgtactccg gcctgggcaa gagcaagact ccaaccaaaa aaaaaaaaaa aaagaactag 420
186 cagtactccg gcctgggcaa gagcaagact ccaaccaaaa aaaaaaaaaa aaagaactag 480
187 cagtgcccag ggctgtacac caggtgccag tactggcagc aattcttcca gttattgtga 540
188 tagagcccag ggctgtacac caggtgccag tactggcagc aattcttcca gttattgtga 600
189 tagattctca tgacgctaaa atacccactt tgttatttaa cccttgctaa tccacaatga 660
190 gttgttctca tgacgctaaa atacccactt tgttatttaa cccttgctaa tccacaatga 720
191 gttgccaggt accagaatcc tttgttacta accagaccag gctgttcatt cttgaacagc 780
```

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              RAW SEQUENCE LISTING                DATE: 11/13/2001
              PATENT APPLICATION:  US/09/844,501  TIME: 15:11:44

              Input Set : A:\seqlist.txt
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192 attgccaggt accagaatcc tttgttacta accagaccag gctgttcatt cttgaacagc 840
193 attgggcatc actttgtttt aataattctt gtatgagaag agcactcttt tccttctgat 900
194 agcaggcatc actttgtttt aataattctt gtatgagaag agcactcttt tccttctgat 960
195 agcaatgtgg ctccaactac tggctgatgt gagacggtac cggatgtggc tccaactact 1020
196 ggctgatgtg agacggtacc gg                                        1042
198 <210> SEQ ID NO: 13
199 <211> LENGTH: 12
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
205       oligonucleotide containing a Sau 3AI-compatible
206       end
208 <400> SEQUENCE: 13
209 gatcgaattc ag                                                     12
211 <210> SEQ ID NO: 14
212 <211> LENGTH: 8
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
218       oligonucleotide containing a Sau 3AI-compatible
219       end
221 <400> SEQUENCE: 14
222 cttaagtc                                                          8
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 20
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: p16 forward
231       primer
233 <400> SEQUENCE: 15
234 aatagcacct cctccgagca                                            20
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 21
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence: p16 reverse
243       primer
245 <400> SEQUENCE: 16
246 ccctgtccct caaatcctct g                                          21
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 23
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence: p16 probe
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                RAW SEQUENCE LISTING              DATE: 11/13/2001
                PATENT APPLICATION:  US/09/844,501   TIME: 15:11:44

                Input Set : A:\seqlist.txt
                Output Set: N:\CRF3\11132001\I844501.raw

256 <400> SEQUENCE: 17
257 acagcgtccc cttgcctgga aag                                    23
259 <210> SEQ ID NO: 18
260 <211> LENGTH: 19
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence: Control
266       forward primer
268 <400> SEQUENCE: 18
269 gccccagagg gaaacacaa                                         19
271 <210> SEQ ID NO: 19
272 <211> LENGTH: 17
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Control
278       reverse primer
280 <400> SEQUENCE: 19
281 cccccacccc cataagc                                          17
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 24
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Control probe
291 <400> SEQUENCE: 20
292 cctccatggt ggtacccagc aagg                                   24
294 <210> SEQ ID NO: 21
295 <211> LENGTH: 48
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: EPAS
301       amplifier primer
303 <400> SEQUENCE: 21
304 ggatccggcc accgcggccg cacgcccaat agccctgaag actattac         48
306 <210> SEQ ID NO: 22
307 <211> LENGTH: 44
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: EPAS
313       amplifier primer
315 <400> SEQUENCE: 22
316 atgaattcgc ggccgcccca ctgggtattg gatctgcccc ccat             44
318 <210> SEQ ID NO: 23
319 <211> LENGTH: 109
320 <212> TYPE: DNA
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VERIFICATION SUMMARY   DATE: 11/13/2001
PATENT APPLICATION: **US/09/844,501**   TIME: 15:11:45

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\11132001\I844501.raw**